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CENTRAL INTELLIGENCE AGENCY

CLASSIFICATION SECRET/ [redacted] 25X1

INFORMATION REPORT

REPORT NO. [redacted] 25X1

CD NO.

COUNTRY Hungary

DATE DISTR. 23 October 1952

SUBJECT The Tiszaluc Power Project

NO. OF PAGES 2

25X1 DATE OF INFO. [redacted]

NO. OF ENCLS. (LISTED BELOW) 2 sketches

PLACE ACQUIRED [redacted]

SUPPLEMENT TO REPORT NO. [redacted] 25X1

[redacted]

25X1

THIS IS UNEVALUATED INFORMATION

[redacted]

1. Construction of this plant, which has a generating capacity of 20,000 kw., was begun in 1945 during the last months of the war. The plant supplies power to the Diósgyőr Steel Works.

2. Water is obtained from the Hernád River. A lock, located between Belsőbocs and Külsőbocs, distributes the water over an area of 2,000 sq. m.. The reservoir which is located behind this area is separated from the canal by three locks.

3. The conducting canal (No. 1 on sketch II) is 2,600 m. long; its sides are covered with stone. The bottom has a width of 6 m. and the surface a width of 14 m.. The canal conducts the water to pipes (No. 2). (See the profile: No. 2a.) Just before reaching the pipes the canal has a double width.

4. The canal is separated from the pipes by a lock (No. 3). When the lock is open, the water falls 14 m. through the pipes on the turbines (No. 4). Each of the two pipes can be operated independently. The pipes are made of concrete and are as smooth as glass.

5. The turbine chambers are equipped with two turbines made by Ganz. The turbines have vertical axes. The power is conducted from the turbine chambers to the two Ganz generators in the machine house (No. 5) which can also function separately. The transformer house (No. 6) is located at + 10 m., while the turbine chambers are at - 10 m.. The current is transmitted from the main control room to the cables which conduct the power to the Diósgyőr Steel Works.

6. Drainage (No. 8) is maintained by having the water flow through the turbines and through an opening into the canal (through a fall of - 10 m. and at a slope of 6 percent) and further on into the Tisza River.

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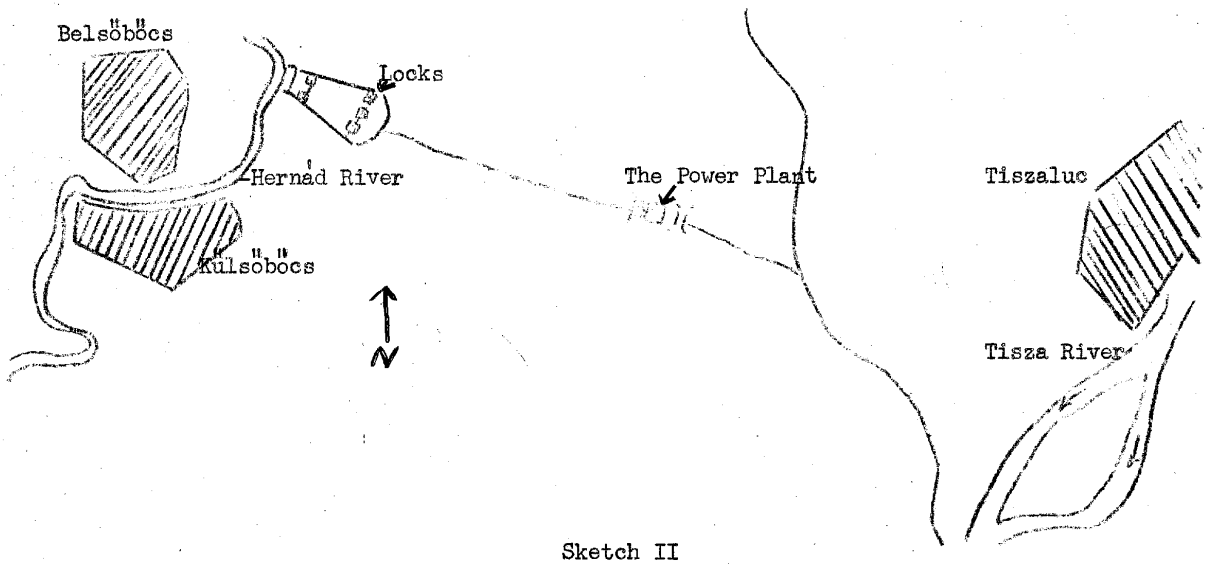
7. All equipment was made and set up by Ganz.

Enclosures: Sketch I. Area of the Tiszaluc Power Project
Sketch II. The Tiszaluc Power Plant.

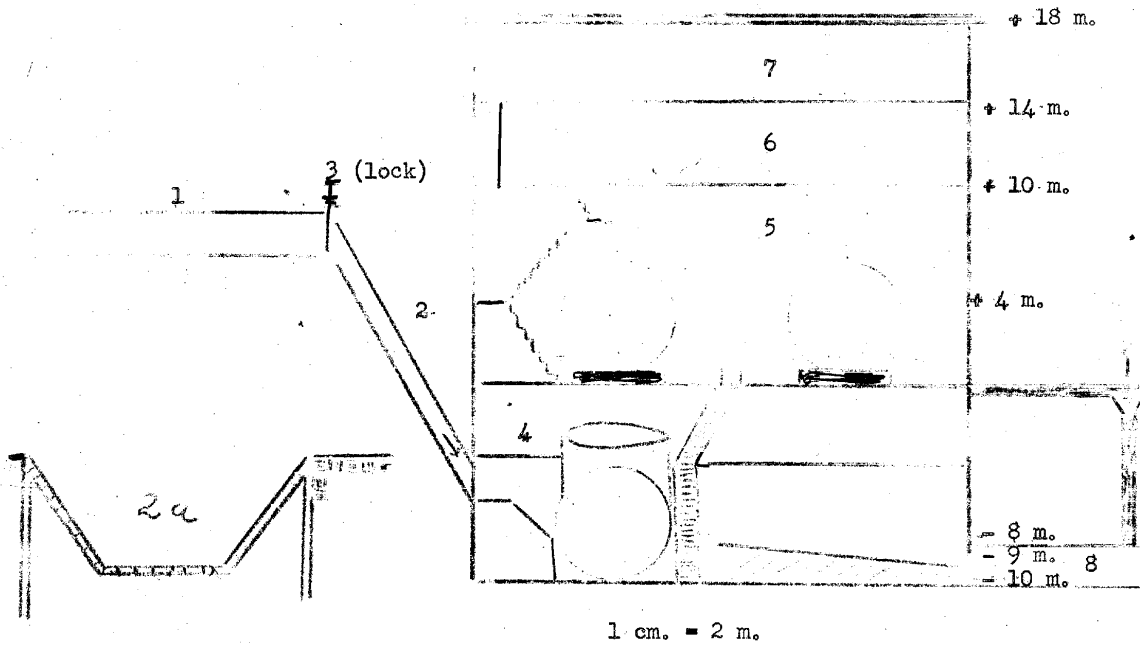
Sketch I

Area of Tiszaluc Power Project



Sketch II

The Tiszaluc Power Plant



1 cm. = 2 m.